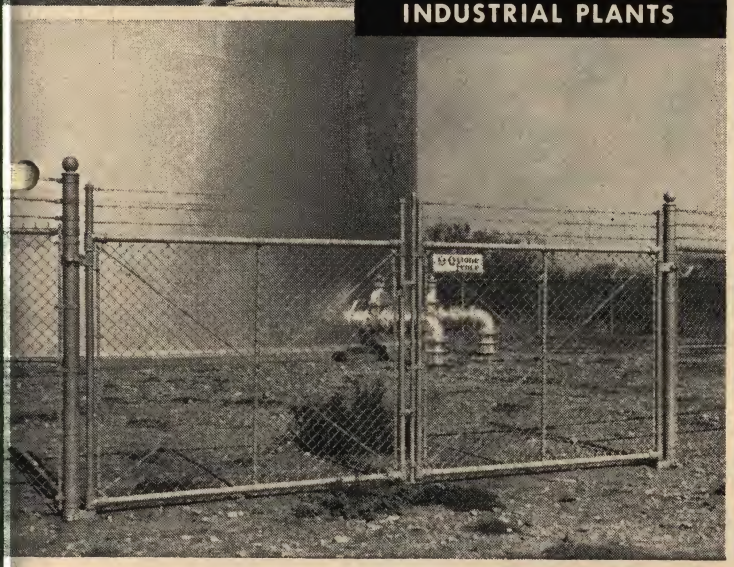
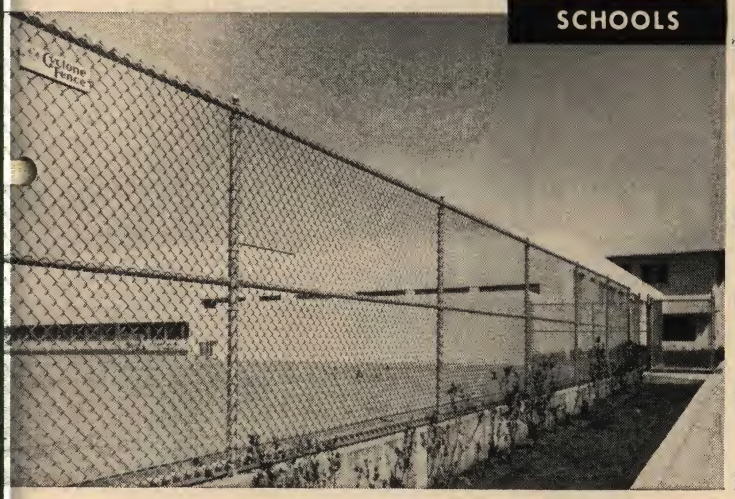
INDUSTRIAL PLANTS



SCHOOLS



PARKS

USS Cyclone Fence

superior protection . . .
for ▸ plants
▸ people
▸ property

There are many good reasons why Cyclone Fence is the world's most widely used property protection fence. It is manufactured in such a variety of heights and styles that it is suitable for use almost everywhere fence is required. Cyclone Chain Link Fence, when equipped with top strands of barbed wire, keeps thieves and vandals outside of important industrial plants and vital municipal properties. When installed around schools, Cyclone Fence protects children from wanderlust, from tramps and vicious dogs. At parks and playgrounds, Cyclone Fence establishes boundary lines, controls admissions and regulates opening and closing hours.

Cyclone Fence is a wise investment. It gives you full value for your dollar. Nothing but brand-new, top-quality material is used throughout. Posts and top rails are heavy and rigid. Gates won't drag. The chain link fabric is woven from heavy steel wire and galvanized *after* weaving for greatest resistance to rust and corrosion. For more information on Cyclone Fence, get in touch with our nearest sales office—listed on page 4—and write for our free Cyclone literature and Composite Specifications Folder.

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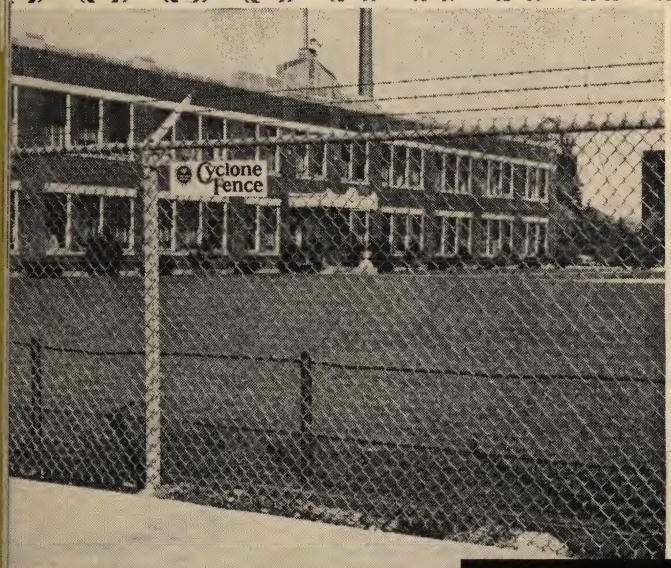
USS

USS Cyclone Fence



CYCLONE INVINCIBLE CHAIN LINK FENCE

Standard height, 7 ft. Built in heights up to and including 12 ft. In all heights, Chain Link fabric is 1 ft. less than complete height of fence.

FABRIC—"Galv-After" Chain Link steel wire, heavily zinc-coated (or hot-galvanized) by hot-dip process after weaving. No. 9 or No. 6 gauge wire woven in a 2-in. mesh. Top and bottom selvages have twisted and barbed finish. Barbing is done by cutting wire on a bias, thus creating sharp points.

POSTS—Line posts—H-column (2″ x 2¼″); weight 4.1 lbs. per lin. ft.; carbon content .35%.

END, CORNER, ANGLE AND PULL POSTS—3-in. outside diameter, standard full-weight tubular steel. Weight 5.79 lb. per lin. ft.

SWING GATE POSTS—3-in. outside diameter; weight 5.79 lb. per lin. ft. for single-swing gates up to and including 6-ft. opening and for double-swing gates up to and including 12-ft. opening.

4-in. outside diameter; weight 9.1 lb. per lin. ft. for single-swing gates wider than 6-ft. opening and up to and including 13-ft. opening; also for double-swing gates wider than 12-ft. opening and up to and including 26-ft. opening.

6⅝-in. outside diameter; weight 18.97 lb. per lin. ft. for single-swing gates wider than 13-ft. opening up to and including 18-ft. opening; also for double-swing gates wider than 26-ft. opening and up to and including 36-ft. opening.

8⅝-in. outside diameter; weight 25 lbs. per lin. ft. for single-swing gates wider than 18-ft. opening and for double-swing gates wider than 36-ft. opening.

SLIDE GATE POSTS—4-in. outside diameter; weight 9.1 lb. per lin. ft. Single- or double-post construction depending on overhead clearance and size of opening.

POST SPACING—Posts are spaced in line of fence not farther apart than 10-ft. centers.

POST SETTING—All posts are set 36 in. in concrete base of proper size and shape to furnish sufficient foundation.

EXTENSION ARMS—Hot-dip galvanized. All intermediate posts fitted with Cyclone Invincible extension arms of pressed steel. End and corner posts are fitted with heavy malleable iron or pressed steel arms. Each arm carries 3 barbed wires securely fastened. Topmost barbed wire is 12 in. above the fabric and 12 in. in or out from the fence line at an angle of 45°.

TOP RAIL—Hot-dip galvanized. Tubular; 1⅝-in. outside diameter; weight 2.27 lb. per lin. ft. or high carbon 1½ in. x 1$\frac{5}{16}$ in. H-column; weight 2.27 lb. per lin. ft. Provided with expansion rail coupling when required. Top rail passes through base of extension arm and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by suitable pressed steel connections.

BRACES—Hot-dip galvanized. Horizontal braces furnished only for end, gate and corner posts when fence is 6 ft. or over in height. Brace material same as top rail. Braces spaced midway between top rail and ground and extend to first line post. Braces securely fastened to posts by pressed steel connections, then trussed from the line post back to end, gate or corner posts.

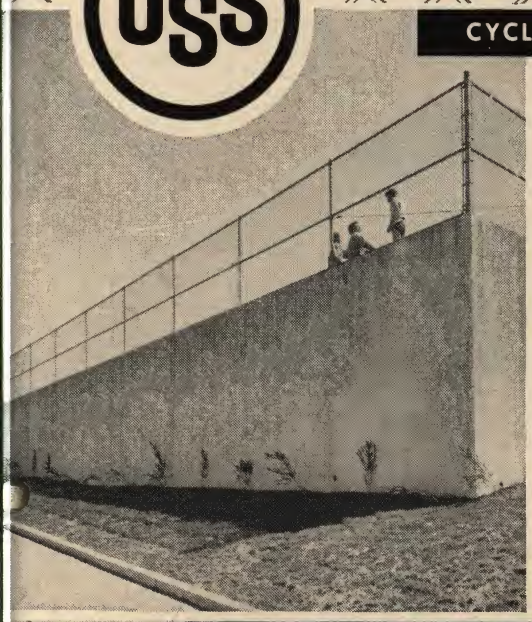
FITTINGS—Hot-dip galvanized. All fittings are malleable cast iron or pressed steel.

BARBED WIRE—3 lines of 4-point pattern, each composed of two strands of No. 12½ gauge wire, galvanized after weaving.

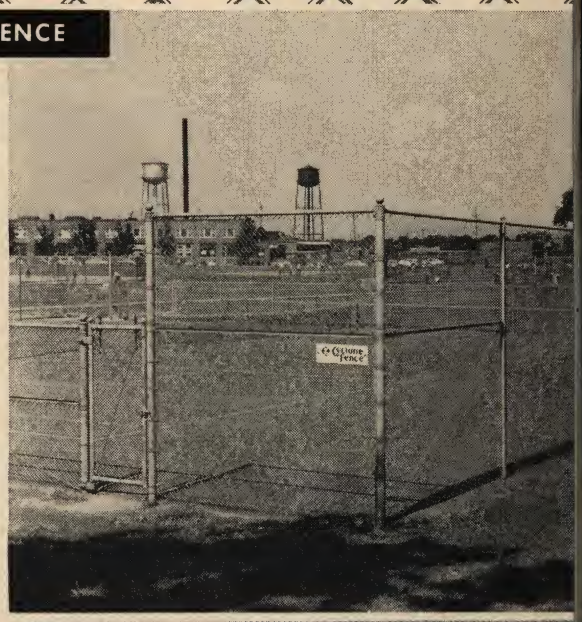
FABRIC BANDS—Fasten fabric to line posts at 14-in. intervals. Fabric attached by tie wires to top rail at 24-in. intervals.

USS

CYCLONE SAFEGUARD CHAIN LINK FENCE

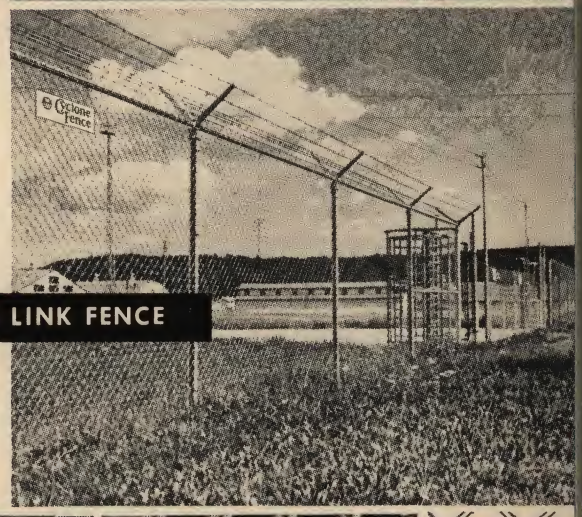


Illustrated here. Standard heights, 3 ft. to 12 ft. Chain Link Fabric is full height of fence. Same general construction as Cyclone Invincible Fence, except top finish, which has no barbed wire. On heights 4 ft. and lower, one edge of fabric has twisted and barbed finish, the other has knuckled finish. Line posts for fence 4 ft. or lower are set 24 in. in concrete base. In fence 5 ft. high and over, all posts are set 36 in. in concrete base. When fence 6 ft. and over in height is installed without top rail, H-column posts have sheared tops.



CYCLONE NON-CLIMBABLE CHAIN LINK FENCE

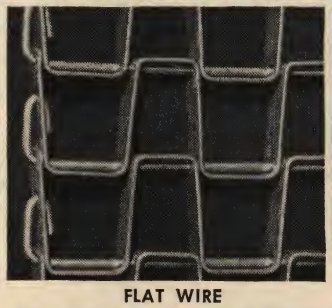
Cyclone Non-Climbable Fence is illustrated here. General specifications are identical with those of Invincible except that Non-Climbable extension arms are "A"-shaped and carry 5 strands of barbed wire. Topmost strand is 12 in. above fabric.



CYCLONE VICTORY CHAIN LINK FENCE

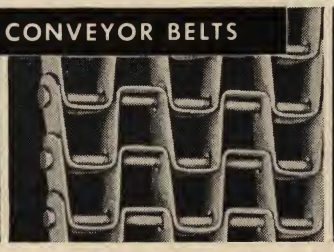
Cyclone Victory Fence's general specifications are identical with those of Invincible Fence except that the Victory extension arms are "V"-shaped and carry 6 strands of barbed wire.

CYCLONE METAL CONVEYOR BELTS

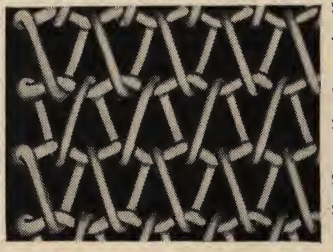


FLAT WIRE
1" x 1" mesh—Clinched Selvage

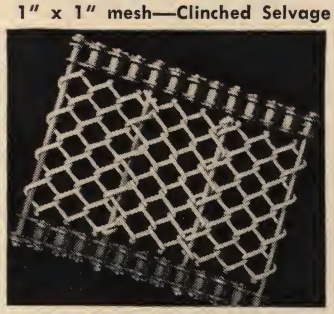
FLEX-GRID BELT



NEW "CONVEY-ALL" FLAT WIRE BELT
Approximately ½" square opening



EQUALIZED SPIRAL WEAVE
Mesh designation: 36—24—24



TYPE RCR Roller Chain With Cross Rods Every Fourth Pitch

Cyclone Metal Conveyor Belts save labor, increase production and reduce costs tremendously. They are ideal for a surprisingly wide variety of processes and products. They provide an efficient, economical means of continuous parts and product processing and conveying.

Because Cyclone metal belts are relatively unaffected by heat, steam, water, changes of temperature or any of the usual causes of conveyor belt trouble, they are often ideal for use where rubber, canvas or leather belts might be impractical. Cyclone Metal Conveyor Belts are regularly furnished in various specifications of carbon and USS Stainless Steels.

Cyclone Spiral Woven conveyor belts can be woven from many metals or alloys in various opening sizes and wire gauges.

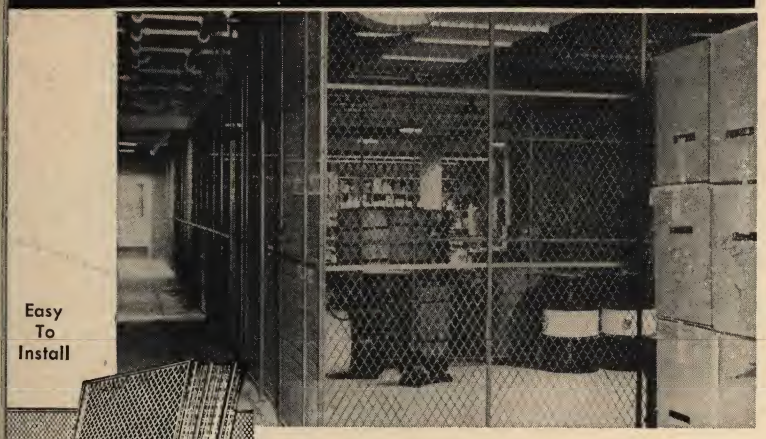
Cyclone Flat Wire belts come in two opening sizes—1" x 1" and 1½" x 1". Formed from ⅜" x .046" cold-rolled strip steel with 12-gauge spindle wires.

Cyclone "Convey-All" Flat Wire belt comes in opening size of approximately ½" square.

Cyclone Flex-Grid belt is ideal for continuous processing of baked goods and confections. Size of wire, 9 gauge; pitch, ½"; clear opening, .352".

USS Cyclone Fence

CYCLONE WIRE MESH PARTITIONS



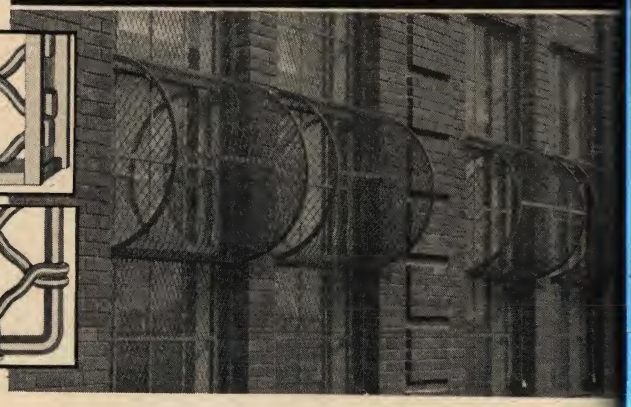
Easy To Install

Standard width of panel sections is 5 ft. Standard height, 8 ft. Standard door sections are 4 ft. wide by 7 ft. high with transom panel overhead. Service window is 2 ft. wide by 1 ft. 6 in. high. Panel and door frames are 1″ x ½″ x ⅛″ channel. Partition has ¼″ x 1″ flat cover bar at top with clips for fastening. Fabric is No. 10 gauge crimped steel wire, 1½″ diamond mesh. Standard finish—one shop coat of black paint.

CYCLONE WINDOW AND SKYLIGHT GUARDS

Channel-Iron Frame

Round-Iron Frame



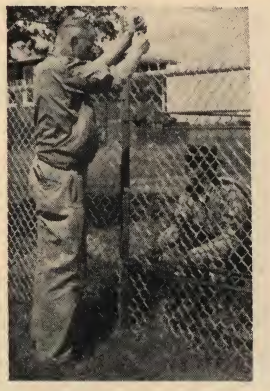
Cyclone window guards are made in two styles: ⅜″ round rod frames for lighter and smaller-sized guards; 1″ channel frames for heavier and larger-sized guards. For special conditions, even heavier channel or angle iron frames can be furnished. Standard guards have No. 10 gauge crimped wire, woven in a 1½″ diamond mesh. Special guards, such as the split type, "V"-shaped guards or basket guards, can be furnished; and size of wire and mesh can be varied to suit special condition. We also manufacture wire mesh guards for skylights, doors, machinery, etc.

COMPLETE RESPONSIBILITY NATIONWIDE FENCING SERVICE

ENGINEERING COUNSEL—Cyclone engineers will make a complete study of your fence requirements and submit recommendations, layouts, and estimates of cost.

DIAGRAMS, PRICES, ETC.—When writing for information, prices, etc., send simple diagram of proposed fencing. Give measurements of each stretch and total measurements. State whether single- or double-swing or sliding gates are wanted and give size of openings.

CYCLONE ERECTION CREWS—There are many erection crews constantly at work installing Cyclone Fence. However, if you prefer to have your own workmen install the fence, a Cyclone erection superintendent will be furnished at nominal charge to direct them.



Only UNITED STATES STEEL Corporation manufactures Cyclone Fence. Accept no substitute.

Cyclone Fence is one of the family of well-known steel products that bears the USS mark. This symbol represents the highest quality and the finest metallurgical service. It is further assurance that the Cyclone Fence you buy will give you long service and full value for your money.

No job is too large . . . no job is too small for Cyclone

Cyclone Fence Department
American Steel & Wire
Division of

United States Steel

Waukegan, Ill.

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